

SPECIFICATION:

Paragraph 4, page 9 bridging page 10, please insert the following replacement paragraph:

T β 4 isoforms have been identified and have about 70%, or about 75%, or about 80% or more homology to the amino acid sequence of T β 4 set forth in Fig. 10. Such isoforms include, for example, T β 4^{ala}, T β 9, T β 10, T β 11, T β 12, T β 13, T β 14 and T β 15 (Fig. 11; see also, MihelieMihelić *et al.*, (1994) *Amino Acids*, 6:1-13, which describes the amino acid sequence of other T β 4 isoforms, and is incorporated herein by reference). These sequences are reproduced in Table I, below. Similar to T β 4, the T β 10 and T15 isoforms have been shown to sequester actin. T β 4, T β 10 and T β 15, as well as these other isoforms share an amino acid sequence, LKKTET, that appears to be involved in mediating actin sequestration or binding. Although not wishing to be bound to any particular theory, the wound healing activity of T β 4 and T β 4 isoforms may be due, in part, to the ability to polymerize actin. For example, T β 4 can modulate actin polymerization in wounds to promote healing (e.g., β -thymosins appear to depolymerize F-actin by sequestering free G-actin). T β 4's ability to modulate actin polymerization may therefore be due to all, or in part, its ability to bind to or sequester actin via the LKKTET sequence. Thus, as with T β 4, other proteins which bind or sequester actin, or modulate actin polymerization, including T β 4 isoforms having the amino acid sequence LKKTET, are likely to promote wound healing alone, or in a combination with T β 4, as set forth herein.

Table I. Thymosin Beta 4 Isoforms.

	5	10	5	
Tβ ₄	Ac-Ser-Asp-Lys-Pro-Asp-Met-Ala-Glu-Ile-Glu-Lys-Phe-Asp-Lys-Ser-			
Tβ ₄ ^{Ala}	Ac- Ala -Asp-Lys-Pro-Asp-Met-Ala-Glu-Ile-Glu-Lys-Phe-Asp-Lys-Ser-			
Tβ ₄ ^{Xan}	Ac-Ser-Asp-Lys-Pro-Asp-Met-Ala-Glu-Ile-Glu-Lys-Phe-Asp-Lys- Ala -			
Tβ ₉	Ac- Ala -Asp-Lys-Pro-Asp- Leu -Gly-Glu-Ile- Asn -Ser-Phe-Asp-Lys- Ala -			
Tβ ₉ ^{Met}	Ac- Ala -Asp-Lys-Pro-Asp-Met-Gly-Glu-Ile- Asn -Ser-Phe-Asp-Lys- Ala -			
Tβ ₁₀	Ac- Ala -Asp-Lys-Pro-Asp-Met-Gly-Glu-Ile- Ala -Ser-Phe-Asp-Lys- Ala -			
Tβ ₁₁	Ac-Ser-Asp-Lys-Pro- Asn - Leu -Glu-Glu- Val - Ala -Ser-Phe-Asp-Lys- Thr -			
Tβ ₁₂	Ac-Ser-Asp-Lys-Pro-Asp- Leu - Ala -Glu- Val - Ser - Asn -Phe-Asp-Lys- Thr -			
Tβ ₁₂ ^{perch}	Ac-Ser-Asp-Lys-Pro-Asp- Ile - Ser -Glu- Val - Thr - Ser -Phe-Asp-Lys- Thr -			
Tβ ₁₃	Ac- Ala -Asp-Lys-Pro-Asp-Met-Gly-Glu-Ile- Ala -Ser-Phe-Asp-Lys- Ala -			
Tβ ₁₄	Ac- Ser -Asp-Lys-Pro-Asp- Ile - Ser -Glu- Val - Ser - Ser -Phe-Asp-Lys- Thr -			
	20	25	30	
Tβ ₄	Lys-Leu-Lys-Lys-Thr-Glu-Thr-Gln-Glu-Lys-Asn-Pro-Leu-Pro-Ser-			
Tβ ₄ ^{Ala}	Lys-Leu-Lys-Lys-Thr-Glu-Thr-Gln-Glu-Lys-Asn-Pro-Leu-Pro-Ser-			
Tβ ₄ ^{Xan}	Lys-Leu-Lys-Lys-Thr-Glu-Thr-Gln-Glu-Lys-Asn-Pro-Leu-Pro-Ser-			
Tβ ₉	Lys-Leu-Lys-Lys-Thr-Glu-Thr-Gln-Glu-Lys-Asn- Thr -Leu-Pro- Thr -			
Tβ ₉ ^{Met}	Lys-Leu-Lys-Lys-Thr-Glu-Thr-Gln-Glu-Lys-Asn- Thr -Leu-Pro- Thr -			
Tβ ₁₀	Lys-Leu-Lys-Lys-Thr-Glu-Thr-Gln-Glu-Lys-Asn- Thr -Leu-Pro- Thr -			
Tβ ₁₁	Lys-Leu-Lys-Lys-Thr-Glu-Thr-Gln-Glu-Lys-Asn-Pro-Leu-Pro- Thr -			
Tβ ₁₂	Lys-Leu-Lys-Lys-Thr-Glu-Thr-Gln-Glu-Lys-Asn-Pro-Leu-Pro- Thr -			
Tβ ₁₂ ^{perch}	Lys-Leu-Lys-Lys-Thr-Glu-Thr-Gln-Glu-Lys-Asn-Pro-Leu-Pro-Ser-			
Tβ ₁₃	Lys-Leu-Lys-Lys-Thr-Glu-Thr-Gln-Glu-Lys-Asn- Thr -Leu-Pro- Thr -			
Tβ ₁₄	Lys-Leu-Lys-Lys-Thr-Glu-Thr- Ala -Glu-Lys-Asn- Thr -Leu-Pro- Thr -			
	35	40		
Tβ ₄	Lys-Glu-Thr-Ile-Glu-Gln-Glu-Lys-Gln-Ala-Gly-Glu-Ser-OH			SEQ ID NO: 16
Tβ ₄ ^{Ala}	Lys-Glu-Thr-Ile-Glu-Gln-Glu-Lys-Gln-Ala-Gly-Glu-Ser-OH	2%		SEQ ID NO: 17
Tβ ₄ ^{Xan}	Lys-Glu-Thr-Ile-Glu-Gln-Glu-Lys-Gln- Thr -Ser-Glu-Ser-OH	7%		SEQ ID NO: 18
Tβ ₉	Lys-Glu-Thr-Ile-Glu-Gln-Glu-Lys-Gln-Ala-Lys-OH	22%		SEQ ID NO: 5
Tβ ₉ ^{Met}	Lys-Glu-Thr-Ile-Glu-Gln-Glu-Lys-Gln-Ala-Lys-OH	20%		SEQ ID NO: 6
Tβ ₁₀	Lys-Glu-Thr-Ile-Glu-Gln-Glu-Lys- Arg -Ser-Glu-Ile-Ser-OH	26%		SEQ ID NO: 7
Tβ ₁₁	Lys-Glu-Thr-Ile-Glu-Gln-Glu-Lys-Gln-Ala-Ser-OH	22%		SEQ ID NO: 8
Tβ ₁₂	Lys-Glu-Thr-Ile-Glu-Gln-Glu-Lys-Gln-Ala- Thr -Ala-OH	19%		SEQ ID NO: 9
Tβ ₁₂ ^{perch}	Lys-Glu-Thr-Ile-Glu-Gln-Glu-Lys- Ala -Ala- Ala - Thr -Ser-OH	21%		SEQ ID NO: 10
Tβ ₁₃	Lys-Glu-Thr-Ile-Glu-Gln-Glu-Lys-Gln-Ala-Lys-OH	20%		SEQ ID NO: 11
Tβ ₁₄	Lys-Glu-Thr-Ile-Glu-Gln-Glu-Lys- Thr -Ala-OH	29%		SEQ ID NO: 19